



TFW

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/509,065
	Filing Date	September 24, 2004
	First Named Inventor	Hector F. DeLuca
	Art Unit	
	Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number	1256-01012

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Return Receipt Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Andrus, Sceales, Starke & Sawall, LLP	
Signature		
Printed name	Thomas M. Wozny	
Date	June 2, 2005	Reg. No. 28,922

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature		
Typed or printed name	Dorothy A. Hauser	Date June 2, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/509,065	)	CERTIFICATE OF MAILING
Applicant : Hector F. DeLuca et al	)	I hereby certify that this correspondence is
	)	being deposited with the United States
Filed : September 24, 2004	)	Postal Service with sufficient postage as
Title : Use of Carbon-2-	)	first class mail in an envelope addressed
Modified-19-Nor-Vitamin	)	to: Commissioner of Patents, P.O. Box
D Analogs to Induce the	)	1450, Alexandria, VA 22313-1450, on
Formation of New Bone	)	this 2nd day of June, 2005.
)	
TC/A.U. :)	
Examiner :	)	<u><i>Dorothy A. Hauser</i></u> June 2, 2005
	)	Dorothy A. Hauser Date
Docket No. : 1256-01012)	

INFORMATION DISCLOSURE STATEMENT

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references listed on the enclosed PTO Form 1449 are being submitted in the above-identified patent application in accordance with 37 CFR 1.97(b)(3).

A copy of each of the non-U.S. patent references is enclosed in compliance with the rules.

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

By *Thomas M. Wozny*
Thomas M. Wozny
Reg. No. 28,922

Andrus, Sceales, Starke & Sawall, LLP
100 East Wisconsin Avenue, Suite 1100
Milwaukee, WI 53202
Telephone: (414) 271-7590
Facsimile: (414) 271-5770

Form PTO-449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 1256-01012	Appln. No.: 10/509,065
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Hector F. DeLuca et al	
		Filing Date September 24, 2004	Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,666,634	05-19-1987	Miyamoto et al	
		5,086,191	02-04-1992	DeLuca et al	
		5,237,110	08-17-1993	DeLuca et al	
		5,246,925	09-21-1993	DeLuca et al	
		5,428,029	06-27-1995	Doran et al	
		5,484,782	01-16-1996	DeLuca et al	
		5,536,713	07-16-1996	DeLuca et al	
		5,587,497	12-24-1996	DeLuca et al	
		5,843,928	12-01-1998	DeLuca et al	
		5,945,410	08-31-1998	DeLuca et al	
		5,976,142	11-02-1999	Chin	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T6
		EP0078704	05-11-1983	Hesse		
		EP0184206	06-11-1986	Miyamoto et al		
		EP0387077	09-12-1990	DeLuca et al		
		EP0474517	03-11-1992	DeLuca		
		EP0480572	04-15-1992	DeLuca et al		
		EP0516410	12-02-1992	DeLuca et al		
		WO90/09991	09-17-1990	Calverley et al		
		WO96/01811	01-25-1996	Posner		
		WO97/11053	03-27-1997	DeLuca et al		
		WO98/41500	09-24-1998	DeLuca		

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 1256-01012	Appln. No.: 10/509,065
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Hector F. DeLuca et al	
		Filing Date September 24, 2004	Group Art Unit

		WO98/41501	09-24-1999	DeLuca et al		
		WO01/74766	10-11-2001	DeLuca et al		
		WO02/05823	01-24-2002	DeLuca et al		
		WO02/05824	01-22-2002	DeLuca		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						
		Chemical Abstracts, XP-002066055, vol. 121, No. 21, Nov. 21, 1994.				
		Posner et al, 2-Fluoroalkyl A-Ring Analogs of 1,25-(OH) ₂ D ₃ , J. Org. Chem., 60 (14), 4617-28, 1995.				
		Slatopolsky, E. et al, A New Analog of Calcitriol, 19-nor-1,25-(OH) ₂ D ₂ Suppresses Parathyroid Hormone Secretion in Uremic Rats in the Absence of Hypercalcemia, Am. J. Kidney Dis., 26(5), 852-60, 1995.				
		Posner et al, Stereocontrolled Synthesis of a Trihydroxylated A Ring as an Immediate Precursor to 1 α ,2 α ,25-Trihydroxyvitamin D ₃ , J. Org. Chem. 56, pp. 4339-4341, Apr. 15, 1991.				
		Chemistry of Synthetic High Polymers, Chemical Abstracts, vol. 110, No. 10, Mar. 6, 1989.				
		Okano et al, Regulatory Activities of 2 β -(3-Hydroxypropoxy)-1 α ,25-Dihydroxy-Vitamin D ₃ A Novel Synthetic Vitamin D ₃ Derivative, on Calcium Metabolism, Biochemical and Biophysical Research Communications, vol. 163, No. 3, pp. 1444-1449, Sep. 29, 1989.				
		Bouillon et al, Biologic Activity of Dihydroxylated 19-Nor-(Pre)Vitamin D ₃ , Bioactivity of 19-Nor-Pre D, vol. 8, No. 8, pp. 1009-1015, 1993.				
		Sarandeses et al, Synthetic of 1 α ,25-Dihydroxy-19-Norprevitamin D ₃ , Tetrahedron Letters, pp. 5445-5448, Apr. 1992.				
		Perlman et al, 1 α ,25-Dihydroxy-19-Nor-Vitamin D ₃ . A Novel Vitamin D-Related Compound with Potential Therapeutic Activity, Tetrahedron Letters, vol. 31, No. 13, pp. 1823-1824, Feb. 1990.				
		Baggiolini et al, Stereocontrolled Total Synthesis of 1 α ,25-Dihydroxycholecalciferol and 1 β ,25-Dihydroxyerocalciferol, J. Org. Chem., 51, pp. 3098-3108, 1986.				

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 1256-01012	Appl. No.: 10/509,065
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Hector F. DeLuca et al	
		Filing Date September 24, 2004	Group Art Unit

		Kiegel et al, Chemical Conversion of Vitamin D ₃ to its 1,25-Dihydroxy Metabolite, Tetrahedron Letters, vol. 31, No. 43, pp. 6057-6060, 1991.
		XP-002247340, Shevde et al, "A Potent Analog of 1 α ,25-Dihydroxyvitamin D ₃ Selectivity Induces Bone Formation", Proceedings of the National Academy of Sciences of the U.S.A., October 15, 200-2, Vol. 99, No. 21.
		XP-002106465, Sicinski et al, "New 1 α -25-Dihydroxy-19-Nor-Vitamin D ₃ Compounds of High Biological Activity: Synthesis and Biological Evaluation of 2-Hydroxymethyl, 2-Methyl, and 2-Methylene Analogues", Journal of Med., Amer. Chem. Soc., Vol. 41, October 2, 1998.

EXAMINER	DATE CONSIDERED
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to client.	